

Appl. No. 10/776,169  
Amdt. Dated September 14, 2005  
Reply to Office Action of April 14, 2005

**ABSTRACT**

Please replace the abstract with the following:

A method is provided for producing a jacketed penetrator having a steel jacket and a heavy-metal core with a smooth surface. The method includes heating the steel jacket to a temperature between 70 and 350 °C; inserting the heavy-metal core into the heated steel jacket; and allowing the steel jacket to cool down. An inside diameter of the steel jacket and an outside diameter of the heavy-metal core are such that an interference fit exists between the steel jacket and the heavy-metal core after the steel jacket has cooled down.